

05/10/01

10091 U.S. PTO



05-14-01

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Atty. Docket No. AMAT/4582/ISM/COPPER/DV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
 Assistant Commissioner of Patents and Trademarks
 Washington, D.C. 20231

10091 U.S. PTO
 09/053962
 05/10/01

Re: Inventor(s): PETER HEY and BYUNG-SUNG LEO KWAK
 Title: METHOD AND APPARATUS TO OVERCOME ANOMALIES IN COPPER SEED LAYERS AND TO TUNE FOR FEATURE SIZE AND ASPECT RATIO

Transmitted herewith is the patent application identified above, including:

- ☒ Specification, claims and abstract, totaling 21 pages.
- ☒ Drawings totaling 3 pages, ☒ Formal ☐ Informal.
- ☒ Executed Declaration and Power of Attorney.
- ☐ Information Disclosure Statement w/ Form 1449 and References.
- ☒ Assignment of the invention to **Applied Materials, Inc.**
- ☒ Assignment Recordation Cover Sheet

| FEE CALCULATION | | | | | |
|--------------------|--------------|-------------------------|--------------|-----------|----------|
| Fee Items | Claims Filed | Included With Basic Fee | Extra Claims | Fee Rate | Total |
| Total Claims | 21 | -20= | 1 | x \$18.00 | \$ 18.00 |
| Independent Claims | 3 | -3= | 0 | x \$80.00 | \$ 0.00 |
| Basic Filing Fee | | | | \$710.00 | \$710.00 |
| TOTAL FEES | | | | | \$728.00 |

- ☒ The Commissioner is hereby authorized to charge \$728.00 to Deposit Account No. 50-1074/4582/ISM/COPPER/DV.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1074/4582/ISM/COPPER/DV. A duplicate copy of this transmittal is enclosed.
- ☒ Please address all future correspondence to:

PATENT COUNSEL
 APPLIED MATERIALS, INC.
 Legal Affairs Department
 P.O.BOX 450A
 Santa Clara, CA. 95052

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Express Mail Receipt No. EL684621630US

Date of Deposit 5-10-01

Signature Robert W. Mulcahy

Respectfully submitted,

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